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**Prairie Metals & Chemical Co.,**

P. O. Box 138 -- Phone 369-6918

Prairie, Mississippi 39756

April 16, 1974

10474  
Site: \_\_\_\_\_  
Break: 17.8  
Inc.: \_\_\_\_\_

**RECEIVED**

APR 17 1974

**AIR & WATER POLLUTION  
CONTROL COMMISSION**  
STATE OF MISSISSIPPI

Mr. Daniel E. Averett  
Sanitary Engineer  
Industrial Wastewater Section  
P. O. Box 827  
Jackson, Miss. 39205

Re: Tolerance Permit No. 73-047

Dear Mr. Averett:

I am sorry to be late in reporting to the Air-Water Pollution Board but actually we have not had enough experience with our new system to have much data.

As you know the system recommended by Clark-Dietz and Associates did not work due to surface water mixing with effluents etc. With your concurrence we diverted most of the surface water away from plant, enlarged the treatment and settling lagoons and so far it appears satisfactory. We have had this system in operation a little over a month and have only discharged one batch (approximately 1/3 of the final pond) with a ph of 6.7. This was a precautionary measure since it was only a 1/3 full and it probably will not have to be treated and drained but a few times a year, if at all. Surely we can neutralize this on such an infrequent basis.

The hexavalent chromium is controlled in the plant with molasses and sulfur dioxide.

Our current analytical method for analysis of metallic ion in the ppm range is not accurate and we have asked Dr. Rathburn to help us in this field.

Our new drainage system will allow us to divert cooling water away from the plant which will include the rectifier cooling water.

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Feel free to visit us anytime. One batch is not much to report, but I believe we have the situation under control with the new system. Let me know if you need more or other information.

Very truly yours,



Denver V. Harris  
President

DVH/egh